

09/915,640

Cofe

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Hidemasa Yamaguchi et al.

Application No. **09/915,640**

Filing Date:
July 26, 2001

U.S. Patent No.: **US 6,801,286 B2**

Issued Date: **October 5, 2004**

For: **LIQUID CRYSTAL DISPLAY DEVICE
HAVING PROTUBERANCE TO
CONTROL LIQUID CRYSTAL
MOLECULE ORIENTATION**

Group Art Unit: **2871**

Examiner: **Tarifur R. Chowdhury**

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this document (and documents and/or payment enclosed herewith) is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Attention: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on December 21, 2004


Suzarah A. Maguigad

**Certificate
DEC 29 2004
of Correction**

REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 CFR 1.322

Dear Sirs:

Patentees respectfully request a Certificate of Correction to be issued for the above-identified U.S. Patent correcting the patent as noted in the attached "Certificate of Correction" Form PTO/SB/44.

The errors now sought to be corrected are errors which incurred through the fault of the U.S. Patent and Trademark Office. The correction does not involve such changes in the patent as would constitute new matter or would require reexamination.

In the "Response To February 19, 2003 Office Action," filed June 9, 2003, Applicants amended the title from "Liquid Crystal Display Device," to read -- Liquid Crystal

5 JAN 2005

Display Device Having Protuberance To Control Liquid Crystal Molecule Orientation --.

Also, the "Notice of Allowance and Fee(s) Due," dated May 25, 2004, correctly recited the title. A copy of the Response and Notice is enclosed herewith as evidence to show that the error is attributable solely to the Office.

In a "Petition for Corrected Filing Receipt Under 37 CFR §1.181," filed December 28, 2001, Applicants amended the inventor's name from "Hiroakai Ichiawa," to read --Hiroaki Ichikawa--. A copy of the "Updated Filing Receipt," is enclosed herewith as evidence to show that the error is attributable solely to the Office.

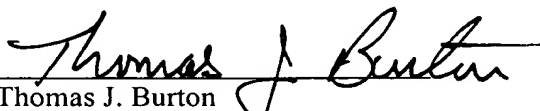
Therefore, the title and inventor's name (Hiroakai Ichiawa) on the issued patent are clearly errors by the U.S. Patent and Trademark Office. Applicants respectfully request expedited issuance of Certificate of Correction.

The errors set forth in the proposed Certificate of Correction were the fault of the USPTO. Accordingly, no fee is required. However, the Commissioner is hereby authorized to charge any fees associated with this communication to Deposit Account No. 19-3140.

Respectfully submitted,

Dated: December 21, 2004

By:


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Registration No. 47,464
SONNENSCHNEIN NATH & ROSENTHAL LLP
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : US 6,801,286 B2

DATED : Oct. 5, 2004

INVENTOR(S) : Hidemasa Yamaguichi, Makoto Jisaki, Yoko Fukunaga, Shintarou Morita, Hiroaki Ichikawa

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

At the cover page, column 1, item (75), "Hiroaki Ichiawa," should read --Hiroaki Ichikawa--.

At the cover page, column 1, item (54), "LIQUID CRYSTAL DISPLAY DEVICE HAVING PROTUBERANCE WITH BASE AREA $\leq 5\%$ OF ONE PIXEL TO CONTROL LIQUID CRYSTAL MOLECULE ORIENTATION," should read --Liquid Crystal Display Device Having Protuberance To Control Liquid Crystal Molecule Orientation --.

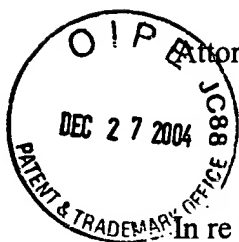
MAILING ADDRESS OF SENDER: Thomas J. Burton(47,464)
Sonnenschein Nath & Rosenthal
Post Office Box 061080
Wacker Drive Station
Chicago, Illinois 60606

PATENT NO. US 6,801,286 B2

Not a final copy

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

- 5 JAN 2005



Attorney Docket No. 09792909-5089

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Hidemasa Yamaguchi

Application No. 09/915,640

Filed: July 26, 2001

For: LIQUID CRYSTAL DISPLAY DEVICE

) Group Art Unit: 2871
)

) Examiner: Chowdhury, Tarifur Rashid
)

) I hereby certify that this document is being deposited with
) the United States Postal Service as first class mail in an
) envelope addressed to: MAIL FEE AMENDMENT,
) Commissioner for Patents, P.O. Box 1450, Alexandria, VA
) 22313-1450 on June 9, 2003.
)

) *Antonieta Musto*
)
) Antonieta Musto

MAIL FEE AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO FEBRUARY 19, 2003 OFFICE ACTION

Dear Sir:

This Amendment is submitted in response to the Office Action mailed February 19, 2003.

Applicant respectfully requests amendment of the patent application, and reconsideration and allowance of the pending claims.

IN THE TITLE

Please amend the title from "LIQUID CRYSTAL DISPLAY DEVICE" to read -LIQUID
CRYSTAL DISPLAY DEVICE HAVING PROTUBERANCE TO CONTROL LIQUID
CRYSTAL MOLECULE ORIENTATION --.



UNITED STATES PATENT AND TRADEMARK OFFICE

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NOTICE OF ALLOWANCE AND FEE(S) DUE

26263

7590

05/25/2004

SONNENSCHN NATH & ROSENTHAL LLP
P.O. BOX 061080
WACKER DRIVE STATION, SEARS TOWER
CHICAGO, IL 60606-1080

EXAMINER

CHOWDHURY, TARIFUR RASHID

ART UNIT

PAPER NUMBER

2871

DATE MAILED: 05/25/2004

NO DRAWINGS REQ'D

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/915,640	07/26/2001	Hidemasa Yamaguchi	09792909-5089	6476

TITLE OF INVENTION: LIQUID CRYSTAL DISPLAY DEVICE HAVING PROTUBERANCE TO CONTROL LIQUID CRYSTAL MOLECULE ORIENTATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	08/25/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
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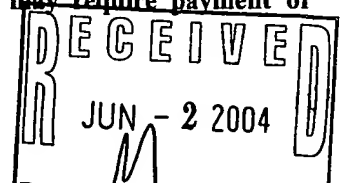
If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status.
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III: All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.





UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/915,640	07/26/2001	2871	1128	09792909-5089	4	36	2

26263

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CONFIRMATION NO. 6476

UPDATED FILING RECEIPT



OC000000007693916

Date Mailed: 03/21/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Hidemasa Yamaguchi, Kanagawa, JAPAN;
Makoto Jisaki, Kanagawa, JAPAN;
Yoko Fukunaga, Kanagawa, JAPAN;
Shintarou Mortia, Kanagawa, JAPAN;
Hiroaki Ichikawa, Kanagawa, JAPAN;

RECEIVED 3/26/02 DOCKET
DOCKETED WAC
DIARIED 3/21/02
BY: JCD **JCD**

Domestic Priority data as claimed by applicant

Foreign Applications

JAPAN P2000-227888 07/27/2000

If Required, Foreign Filing License Granted 09/05/2001

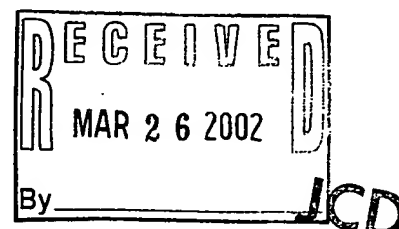
Projected Publication Date: 06/27/2002

Non-Publication Request: No

Early Publication Request: No

Title

Liquid crystal display device



Preliminary Class

349

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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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